



TECHNICAL SERVICE BULLETIN

Classification:

AT22-009

Reference:

NTB22-092

Date:

October 20, 2022

MIL ON WITH GEAR RATIO DTCS STORED IN THE TCM

APPLIED VEHICLES:

2020-2021 Frontier (D40)
2022 Frontier (D41)
2021-2022 Titan/Titan XD (A61)

APPLIED VINS:

2020-2021 Frontier – All
2022 Frontier – Built before 1N6ED1(*) (*) (*) NN686964
2021 Titan/Titan XD – All
2022 Titan/Titan XD – Built before 1N6AA1(*) (*) (*) NN107066

APPLIED TRANSMISSIONS: 9 speed

SERVICE INFORMATION

If one or more of the following DTCs is stored in the TCM as current or past, please check Service COMM or Dealer Business Systems (DBS) National Service History to confirm if campaign R22B1 or R22A9 has been applied.

- P0731 – 1GR INCORRECT RATIO
- P0732 – 2GR INCORRECT RATIO
- P0733 – 3GR INCORRECT RATIO
- P0734 – 4GR INCORRECT RATIO
- P0735 – 5GR INCORRECT RATIO
- P0729 – 6GR INCORRECT RATIO
- P076F – 7GR INCORRECT RATIO
- P07D9 – 8GR INCORRECT RATIO
- P07F6 – 9GR INCORRECT RATIO
- P0893 – MULTIPLE GEARS ENGAGED

1. Has campaign R22B1 or R22A9 and the drive cycle (after performing the campaign) on page 2 of this bulletin already been completed?
 - **No:**
 - a. Complete the related campaign.
 - b. Perform the drive cycle on page 2, and then proceed to step 2.
 - **Yes:** Proceed to step 2.
2. If one or more of the DTCs, listed above are still being stored as current or past, refer to the ESM for further diagnostic information not covered by this bulletin.

Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. **NOTE:** If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

SERVICE PROCEDURE

Perform Drive Cycle

Test drive the vehicle, using manual mode, and drive in each gear (1st - 9th) for a minimum of 10 seconds each, while maintaining a vehicle speed above 7mph (10kph) and accelerator pedal position of at least 2/8ths, or greater.

HINT: Higher speeds may be required to allow 9th gear to be selected.

- If the AT CHECK light comes ON and a DTC is stored, end the test drive and refer to the ESM for further diagnostic information not covered under this **SERVICE PROCEDURE**.
- If the AT CHECK light does not come ON and no DTCs are stored, the **SERVICE PROCEDURE** is complete.

CLAIMS INFORMATION

Submit a Primary Part (PP) type line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
DTC Confirmation Procedure	(1)	JX1HAA	ZE	32	0.2

- (1) Reference the electronic parts catalog and use the Control Valve Assy (31705-*****) as the Primary Failed Part (**PFP**).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
October 20, 2022	NTB22-092	Original bulletin published